

## CLAIMS

What is claimed is:

1. A modular tire, comprising:

5 a first side wall;

a second side wall;

a replaceable tire tread captured by said first side wall  
and said second side wall to define a tire interior area;

10 at least one inflatable inner tube segment disposed within  
said tire interior area; and

means for clamping said first side wall and said second  
side wall together.

2. The modular tire of claim 1 wherein said means for  
15 clamping comprises:

a pair of split rims, each of said pair of split rims  
having a hub member; and

20 a plurality of rim-mounted studs and associated nuts  
clamping the hub members together.

3. The modular tire of claim 1 wherein a plurality of  
inflatable inner tube segments are disposed within said tire  
interior area.

25 4. A modular tire, comprising:

a first side wall;

a second side wall;

a replaceable tire tread;

30 means for attaching said replaceable tire tread to said  
first side wall and said second side wall to define a tire  
interior area; and

TOP SECRET

at least one inflatable inner tube segment disposed within said tire interior area.

5        5.    The modular tire of claim 4 wherein said means for attaching comprises:

        a first hole pattern disposed along a circumference of said first side wall;

        a second hole pattern disposed along a circumference of said second side wall;

10        a third hole pattern disposed along a first side of said replaceable tire tread for alignment with said first hole pattern;

        a fourth hole pattern disposed along a second side of said replaceable tire tread for alignment with said second hole pattern; and

        a plurality of bolts and captive nuts;

        wherein once the hole patterns are properly aligned each one of said plurality of bolts is inserted through a corresponding hole in said first hole pattern, said second hole pattern, said third hole pattern and said fourth hole pattern and once properly inserted said associated captive nut is securely disposed on the inserted end of said bolt.

25        6.    The modular tire of claim 5, wherein the number of plurality of bolts and captive nuts provided corresponds to the number of hole patterns of either said first hole pattern, said second hole pattern, said third hole pattern or said fourth hole pattern.

30        7.    The modular tire of claim 4 wherein a plurality of inflatable inner tube segments are disposed within said tire interior area.

TOP SECRET

8. A modular tire, comprising:

a first side wall having a first hole pattern disposed along its circumference;

5 a second side wall a second hole pattern disposed along its circumference;

a replaceable tire tread, said tread including a third hole pattern disposed along a first side for alignment with said first hole pattern and a fourth hole pattern disposed along a second side for alignment with said second hole pattern;

10 means for attaching said replaceable tire tread to said first side wall and said second side wall to define a tire interior area; and

a plurality of inflatable inner tube segments disposed within said tire interior area.

15 9. The modular tire of claim 8 wherein said means for attaching comprises a plurality of bolts and captive nuts; wherein once the hole patterns are properly aligned each one of said plurality of bolts is inserted through a corresponding hole in said first hole pattern, said second hole pattern, said third hole pattern and said fourth hole pattern and once properly  
20 inserted said associated captive nut is securely disposed on the inserted end of said bolt.

25 10. The modular tire of claim 9, wherein the number of plurality of bolts and captive nuts provided corresponds to the number of hole patterns of either said first hole pattern, said second hole pattern, said third hole pattern or said fourth hole pattern.

30